## ABSTRACT OF THE DISCLOSURE

5 In an apparatus for determining fibre lengths and fibre length distribution from a fibre material sample, especially in spinning preparation, collected fibre material is automatically conveyable by a conveyor device, is arranged to be supplied to a take-up device 10 that grips it, is separable from the conveyor device and transportable to at least one rotating combing device, each end region of the collected fibre material protruding from the take-up device being combable by combing device, and subsequently detectable by a measuring device. The apparatus permits within a short 15 time a sample preparation founded on a uniform basis and an accurate measurement of the samples.